

CLAIMS

1. Outdoor unit of a reception terminal including a return channel, characterized in that the return channel (BUC) comprises:
- 5 - a local oscillator (10) providing a signal with a frequency that can be selected from at least two frequencies,
- a transposition means (X2) that transposes a signal to be transmitted using the signal provided by the local oscillator,
- 10 - a wideband filtering means (11) that allows through signals whose frequency corresponds to the transposed signal independently from the frequency of the local oscillator, and
- a waveguide element (12, 30, 40) having a cover (31, 32, 43, 45) that depends on the frequency selected for the local oscillator.
- 15 2. Outdoor unit according to claim 1, characterized in that the waveguide cover transforms the waveguide (30, 40) into a band rejector filter that rejects a bandwidth corresponding to a leak of the transposition frequency in the wideband.
- 20 3. Outdoor unit according to one of claims 1 or 2, characterized in that the cover is either a flat cover (31), or a cover (34) including slot-coupled resonant cavities.
- 25 4. Outdoor unit according to one of claims 1 or 2, characterized in that the waveguide comprises resonant cavities (42) coupled by slots (41), and in that the cover (43, 45) is either a flat cover (45), or a cover (43) comprising elements that electrically plug the slots.
- 30 5. Outdoor unit according to one of claims 1 to 4, characterized in that the local oscillator comprises means for selecting the oscillation frequency.
- 35 6. Outdoor unit according to claim 5, characterized in that the means for selecting the oscillation frequency is either a manual switch or a command from an indoor unit or terminal.